

LISTING OF CLAIMS

This listing of claims will replace all prior versions and listings of claims in this application.

1. **(Currently Amended)** A method for use in a vehicle comprising:
sensing a current position of a trailer relative to the vehicle;
determining a vehicle steering wheel angle;
determining a predicted position of the trailer relative to the vehicle based on the current position and the steering wheel angle; and
displaying within the vehicle the current position and the predicted position of the trailer relative to the vehicle.
2. **(Original)** A method as recited in claim 1 wherein sensing a current position comprises sensing the current position in response to a camera.
3. **(Original)** A method as recited in claim 1 wherein sensing a current position comprises sensing the current position in response to a reverse aid system.
4. **(Original)** A method as recited in claim 1 wherein sensing a current position comprises sensing the current position in response to a hitch sensor.
5. **(Original)** A method as recited in claim 1 further comprising applying brake-steer to the trailer to reduce the turning radius of the trailer and vehicle.
6. **(Original)** A method as recited in claim 1 further comprising applying brake-steer to the trailer and vehicle to reduce the turning radius of the trailer and vehicle.

7. **(Original)** A method as recited in claim 1 further comprising applying brake-steer to the vehicle to reduce the turning radius of the trailer and vehicle.

8. **(Original)** A method as recited in claim 7 wherein applying brake-steer comprises applying at least one brake at a first wheel to reduce a vehicle turning radius.

9. **(Original)** A method as recited in claim 7 wherein applying brake-steer comprises applying an increased drive torque to a second wheel relative to a first wheel.

10. **(Currently Amended)** A method as recited in claim 7 wherein applying brake-steer comprises increasing a normal load on the vehicle.

11. **(Original)** A method as recited in claim 1 wherein determining a predicted position comprises determining a vehicle trailer interference and displaying the interference.

12. **(Currently Amended)** A method of controlling a vehicle having a trailer comprising:

generating a reverse direction signal corresponding to a reverse direction of the vehicle;

sensing a current position of a trailer relative to the vehicle;

determining a vehicle steering wheel angle;

determining a predicted position of the trailer relative to the vehicle based on the current position of the trailer and the steering wheel angle; and

displaying the current position and the predicted position within the vehicle in response to the reverse direction.

13. **(Currently Amended)** A method as recited in claim 12 wherein sensing a current position comprises sensing [[10]] a current position in response to a camera.

14. **(Original)** A method as recited in claim 12 wherein sensing a current position comprises sensing a current position in response to a reverse aid system.

15. **(Original)** A method as recited in claim 12 wherein sensing a current position comprises sensing a current position in response to a hitch sensor.

16. **(Original)** A method as recited in claim 12 wherein generating a reverse direction signal comprises generating a reverse direction from a shift lever.

17. **(Previously Presented)** A method as recited in claim 12 wherein generating a reverse direction signal comprises generating a reverse direction from a push button.

18. **(Original)** A method as recited in claim 12 wherein generating a reverse direction signal comprises generating a reverse direction from a transmission controller.

19. **(Original)** A method as recited in claim 12 wherein generating a reverse direction signal comprises generating a reverse direction from a wheel speed sensor.

20. **(Original)** A method as recited in claim 12 wherein generating a vehicle steering angle comprises generating a steering angle in response to a steering angle sensor.

21. **(Original)** A system for a vehicle coupled to a trailer comprising:
a position sensor generating a trailer position signal corresponding to a trailer position;
means to generate a reverse direction signal corresponding to a reverse direction of the vehicle;
a display;
a steering wheel angle sensor; and
a controller coupled to the trailer position signal display, and steering wheel angle sensor, said controller displaying a predicted path of the trailer in response to the position signal.

22. **(Original)** A system as recited in claim 21 wherein means to generate a reverse direction signal comprises a shift lever.

23. **(Original)** A system as recited in claim 21 wherein means to generate a reverse direction signal comprises a push button.

24. **(Original)** A system as recited in claim 21 wherein means to generate a reverse direction signal comprises a transmission controller.

25. **(Original)** A system as recited in claim 21 wherein means to generate a reverse direction signal comprises a wheel speed sensor.

26. **(Original)** A system as recited in claim 21 wherein the position sensor comprises a hitch sensor.

27. **(Original)** A system as recited in claim 21 wherein the position sensor comprises a reverse aid sensor.

28. **(Original)** A system as recited in claim 21 wherein the reverse aid sensor comprises an ultrasonic sensor.

29. **(Original)** A system as recited in claim 21 wherein the position sensor comprises a camera.

30. **(Original)** A system as recited in claim 21 further comprising an input device coupled to said controller.